



## THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mehmet Zeki ALYANAK

Application No.: 09/410,584

Filed: October 01, 1999

For: APPARATUS AND METHOD FOR  
CHANGING THE DYNAMIC RESPONSE OF AN  
ELECTROMAGNETICALLY OPERATED  
ACTUATOR

Group Art Unit: 2832

Examiner: R. Barrera

Commissioner for Patents  
Washington, D.C. 20231

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Sir:

**AMENDMENT AND REQUEST FOR RECONSIDERATION**  
**UNDER 37 C.F.R. § 1.111**

In response to the non-final Office Action mailed **August 26, 2002**, the period for response being extended through December 26, 2002, with a petition for a one-month extension of time, please amend the application as follows:

**IN THE CLAIMS:**

Please amend claim 21 as follow:

21. (Thrice Amended) A method of stabilizing an electromagnetically operated actuator, comprising:  
providing a coil and an armature, the armature being disposed for movement in a first direction and a second direction opposite the first direction along the axis in the sleeve, the armature having at least one groove formed on an exterior surface thereof;  
moving the armature along the axis as a response to energization of the coil; and  
exerting a radially outwardly directed force against the sleeve by a single continuous member

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